

OAK 9023 - Part 3
Dates of Info - 30 and 31 August,
1 September 1961 (Greenwich Time)

PAR No. 703-61/KH
10 September 1961

25 Pages

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

PHOTOGRAPHIC INTERPRETATION OAK REPORT

ARMY - NAVY - AIR FORCE - CIA

PREFACE

THIS IS THE THIRD AND LAST DAILY OAK REPORT BASED ON MISSION 9023 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 1430 HOURS, 8 SEPTEMBER 1961, TO 1200 HOURS, 9 SEPTEMBER 1961. FOR IDENTIFICATION, THE COMOR TARGET NUMBER APPEARS WITH EACH COMOR TARGET REPORTED. IN ADDITION, THIS REPORT INCLUDES TARGETS OF OPPORTUNITY WHICH APPEAR TO BE OF UTMOST INTELLIGENCE SIGNIFICANCE. THE PHOTOGRAPHIC REFERENCES INCLUDE ONLY THE BEST FRAMES. THE SCAN OF MISSION 9023 FOR PREPARATION OF A MISSION COVERAGE INDEX (MCI) BEGAN AT 1200 HOURS, 9 SEPTEMBER 1961. SHOULD INFORMATION WHICH APPEARS TO BE OF UTMOST INTELLIGENCE SIGNIFICANCE COME TO LIGHT DURING THE MCI SCAN, THIS INFORMATION WILL BE REPORTED IN OAK SUPPLEMENTS.

NOTE -- ALL TARGETS ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

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STATUS OF COMOR TARGET READOUT
(TOTAL NUMBER OF TARGETS -- 208)

TARGETS OBSERVED AND REPORTED

OAK 9023 - PART 1 -- 9
OAK 9023 - PART 2 -- 25
OAK 9023 - PART 3 -- 15
TOTAL, ALL OAKS -- 49

TARGETS NOT OBSERVED (CLOUD COVER)

OAK 9023 - PART 1 -- 15
OAK 9023 - PART 2 -- 8
OAK 9023 - PART 3 -- 21
TOTAL, ALL OAKS -- 44

TARGETS NOT COVERED BY THE PHOTOGRAPHY

OAK 9023 - PART 1 -- 21
OAK 9023 - PART 2 -- 38
OAK 9023 - PART 3 -- 56
TOTAL, ALL OAKS -- 115

TOTAL NUMBER OF COMOR TARGETS ACCOUNTED FOR

OAK 9023 - PART 1 -- 45
OAK 9023 - PART 2 -- 71
OAK 9023 - PART 3 -- 92
GRAND TOTAL -- 208

THE FOLLOWING IS A SUMMARY OF MISSILE ACTIVITY OBSERVED FOR THE
FIRST TIME ON MISSION 9023 (INCLUDING PROBABLES AND POSSIBLES).

ITEM	NEW IDENTIFICATIONS, OAK 9023			TOTAL ALL PARTS
	PART 1	PART 2	PART 3	
ICBM SITES	0	0	0	0
PADS INCLUDED	0	0	0	0
IRBM/MRBM AREAS	4	4	2	10
PADS INCLUDED	16	12	8	36
SA-2 SAM SITES	4	9	20	33
SA-3 SAM SITES	0	0	1	1

THREE OF THE IRBM/MRBM LAUNCH AREAS LISTED UNDER PART 2 IN ABOVE
TABLE HAVE FOUR PADS EACH. CLOUDS PRECLUDE IDENTIFICATION OF PADS
AT THE FOURTH AREA (NEAR SHISHCHITSY).

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GUIDED MISSILES

1. SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)

41-15N 100-15E

THE SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA (SEE ATTACHMENT 1), IS LOCATED AT 41-15N 100-15E, 70 NM NORTHEAST OF CHIU-CHUAN, CHINA. A PRELIMINARY DESCRIPTION WAS GIVEN IN OAK 9023, PART 1. DETAILS OF FURTHER INTERPRETATION OF THE TEST CENTER FOLLOW.

THE RANGEHEAD FACILITIES ARE DISPERSED ALONG THE O-CHI-NA HO (RIVER) BASIN FROM SHUANG-CHENG-TZU NORTHEASTWARD FOR APPROXIMATELY 60 NM. THE RANGEHEAD IS RAIL-SERVED FROM THE URUMCHI/LAN-CHOU RAIL LINE.

RANGEHEAD INSTALLATIONS CONSIST OF SSM LAUNCH FACILITIES ORIENTED WEST (270 DEGREES), SAM LAUNCH FACILITIES ORIENTED EAST (90 DEGREES), A LARGE SUPPORT BASE, A LARGE SUPPORT AREA NEAR THE SSM LAUNCH AREAS, SEVERAL SMALLER SUPPORT AREAS IN THE RANGEHEAD, FOUR STORAGE AREAS (INCLUDING ONE REVETTED STORAGE AREA), AND A LARGE AIRFIELD AND A PROBABLE AIRFIELD, BOTH UNDER CONSTRUCTION. GAPS OF APPROXIMATELY 1.5 NM EXIST BETWEEN EACH PHOTOGRAPHIC FRAME, AND IMAGES APPEARING NEAR THE EDGE OF SOME FRAMES SUGGEST THAT OTHER FACILITIES MAY EXIST. MOST OF THE FACILITIES OBSERVED SHOW CLOSE SIMILARITIES TO THE SOVIET MISSILE TEST CENTERS.

THE SSM FACILITIES, LOCATED ON THE WEST SIDE OF THE O-CHI-NA HO BASIN, CONSIST OF THREE ROAD-SERVED LAUNCH AREAS (LAUNCH AREAS A, B, AND C) ORIENTED 270 DEGREES. FIVE DOWNRANGE INSTRUMENTATION POINTS HAVE BEEN DETECTED IN THE RANGEHEAD AREA. OTHER FACILITIES ASSOCIATED WITH THE LAUNCH AREAS INCLUDE A CONSPICUOUSLY LARGE ROAD AND RAIL-SERVED SUPPORT BASE, FOUR ROAD-SERVED STORAGE AREAS (THREE OF WHICH MAY HAVE DRIVE-THROUGH BUILDINGS), AND A SMALL UNIDENTIFIED AREA. LAUNCH AREA A CONSISTS OF TWO APPROXIMATELY 250-FOOT-SQUARE LAUNCH PADS AND A DRIVE-THROUGH BUILDING. THIS LAUNCH AREA RESEMBLES SSM LAUNCH FACILITIES AT THE KAPUSTIN YAR MISSILE TEST CENTER. LAUNCH AREA B CONSISTS OF TWO PADS UNDER CONSTRUCTION. LAUNCH AREA C (SEE ATTACHMENT 2) HAS A CONSTRUCTION SITE FOR A PAD OR PADS, A POSSIBLE STRUCTURE UNDER CONSTRUCTION, AND A DRIVE-THROUGH BUILDING JUST OFF THE ACCESS ROAD SIMILAR TO THE ONE AT LAUNCH AREA A.

THE SAM FACILITIES, LOCATED ON THE EAST SIDE OF THE O-CHI-NA HO BASIN, CONSIST OF TWO FAN-TYPE HEXADIC SITES, ORIENTED 90 DEGREES, AND FOUR DOWNRANGE INSTRUMENTATION POINTS. A SIMILARITY IS EVIDENT

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TO SAM FACILITIES AT KAPUSTIN YAR.

THE SUPPORT BASE (SEE ATTACHMENT 3) FOR THE ENTIRE CENTER IS LOCATED NEAR THE PROBABLE AIRFIELD AND IS ROAD AND RAIL SERVED. THE BASE CONSISTS OF A RAIL-SERVED WAREHOUSE AREA CONTAINING APPROXIMATELY 40 BUILDINGS, A HOUSING AREA CONTAINING APPROXIMATELY 140 BUILDINGS OF VARIOUS SIZES AND FUNCTIONS, AND A RAIL-SERVED THERMAL POWER PLANT. THE SUPPORT BASE RESEMBLES THE BASE AT TYURA TAM. THE PROBABLE AIRFIELD, WHICH HAS A NATURAL-SURFACE RUNWAY 7,500 FEET LONG ORIENTED EAST-WEST, IS 2 NM SOUTHEAST OF THE SUPPORT BASE.

THE LARGE AIRFIELD (SEE ATTACHMENT 4) HAS A 14,780 X 315 FOOT SERVICEABLE RUNWAY, PROBABLY CONCRETE, ORIENTED NE/SW, TAXIWAYS, PARKING APRONS, ILS, A RAIL-SERVED SUPPORT AREA. THE FIELD IS JUST EAST OF THE VILLAGE OF SHUANG-CHENG-TZU AND HAS A RAIL CONNECTION TO THE SUPPORT BASE. THE APPROXIMATE ELEVATION OF THE AIRFIELD IS 3,700 FEET. A RAIL LINE, UNDER CONSTRUCTION, LEADS FROM THE SUPPORT BASE SOUTHEAST FOR APPROXIMATELY 30 NM.

25X1D 2. DOBROVODY IRBM/MRBM LAUNCH AREA (NEWLY IDENTIFIED)
48-57-45N 030-24-00E

A RECTANGULAR-TYPE IRBM/MRBM LAUNCH AREA IS LOCATED AT THE ABOVE COORDINATES, 11.2 NM NORTH OF DOBROVODY, 14.5 NM NORTH-NORTHEAST OF UMAN, AND 2 NM NORTHWEST OF THE IRBM/MRBM LAUNCH AREA AT 48-56N 030-26E (SEE ITEM ON THIS AREA -- [REDACTED] -- IN THIS SECTION). THE LAUNCH AREA CONSISTS OF FOUR LAUNCH PADS AND THE USUAL SUPPORT FACILITIES ASSOCIATED WITH OTHER IRBM/MRBM LAUNCH AREAS.

25X1A

25X1A 25X1D 3. GRANOV IRBM/MRBM LAUNCH AREA (NEWLY IDENTIFIED)
[REDACTED]
48-56N 029-30E

25X1D AN INLINE IRBM/MRBM LAUNCH AREA, WITH FOUR PADS, IS LOCATED 4.4 NM NNW OF GRANOV AT 48-56N 029-30E. THIS LAUNCH AREA WAS OBSERVED ON [REDACTED] AND REPORTED AS AN AREA OF MISSILE-RELATED ACTIVITY. THE BETTER COVERAGE OF THIS AREA ON MISSION 9023, MORE CLEARLY SHOWING THE PATTERN OF FACILITIES IN THIS AREA, PERMITS ITS IDENTIFICATION AS AN IRBM/MRBM LAUNCH AREA.

4. UMAN AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS DOBROVODY IRBM/MRBM LAUNCH AREA

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25X1A

[REDACTED]
48-56N 030-26E

25X1D

[REDACTED]
THIS IRBM/MRBM LAUNCH AREA IS LOCATED 9.5 NM NORTH OF DOBROVODY AND 14 NM NORTH-NORTHEAST OF UMAN. THE LAUNCH AREA, OF THE DUMBBELL TYPE, APPEARS UNCHANGED SINCE [REDACTED] HOWEVER, AT 25X1D
LEAST FOUR NEW BUILDINGS ARE NOTED IN THE SUPPORT AREA. THIS LAUNCH AREA IS 2 NM SE OF A NEWLY IDENTIFIED IRBM/MRBM LAUNCH AREA 11.2 NM NORTH OF DOBROVODY (SEE ITEM ON THIS NEW AREA IN THIS SECTION).

5. ZHITOMIR/SKOMOROKHI AIRFIELD

25X1A

[REDACTED]
50-10N 028-44E

25X1D

[REDACTED]
AN AREA WITHIN A 25-NM RADIUS OF ZHITOMIR WAS SEARCHED. APPROXIMATELY 70 PERCENT OF THIS AREA WAS CLOUD-COVERED. THE FOLLOWING INSTALLATIONS WERE VISIBLE.

AN IRBM/MRBM SUPPORT FACILITY AT 50-11N 029-05E, 17.5 NM ESE OF ZHITOMIR. THIS FACILITY WAS IDENTIFIED ON [REDACTED] 25X1D
SCATTERED CLOUDS COVER PART OF THE INSTALLATION. CONSTRUCTION ACTIVITY WITHIN THE SECURED AREA JUST WEST OF THE TWO ROWS OF DRIVE-THROUGH BUILDINGS IS NEW SINCE [REDACTED] NO OTHER CHANGES 25X1D
ARE APPARENT.

GODYKHA AREA, IRBM/MRBM LAUNCH AREA AT 50-09-30N 028-15-00E, 16.9 NM SW OF ZHITOMIR. THIS WAS REPORTED IN OAK 9023, PART 2.

BERDICHEV AREA REGIONAL MILITARY STORAGE INSTALLATION, AT 49-56N 028-15E, 25.5 NM SW OF ZHITOMIR. THIS WAS REPORTED IN OAK 9023, PART 2.

LARGE SECURED STORAGE AREA, POSSIBLY MILITARY, AT 50-20N 028-24E, 11.3 NM WNW OF ZHITOMIR. THE AREA HAS APPROXIMATELY 38 BUILDINGS AND IS ROAD- AND RAIL-SERVED.

SECURED STORAGE AREA AT 50-02N, 028-08E, 25 NM SW OF ZHITOMIR. THIS AREA HAS SEVEN LARGE BUILDINGS AND TWO OR THREE SMALLER BUILDINGS AND IS ROAD-SERVED.

25X1A

6. UMAN AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS OLGOPOL IRBM/MRBM LAUNCH AREA

[REDACTED]
48-02N 029-33E

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25X1A

25X1D

[REDACTED] SCATTERED CLOUDS

25X1D

THIS IRBM/MRBM LAUNCH AREA IS 10 NM SSE OF OLGOPOL AND 52 NM SSW OF UMAN. THE AREA APPEARS UNCHANGED SINCE [REDACTED]

7. BALTIYSK COMPLEX

25X1A

[REDACTED]
54-39N 019-55E

25X1D

[REDACTED]
NINE PROBABLE SHIPS WERE OBSERVED IN THE HARBOR, BUT SMALL SCALE AND POOR IMAGE QUALITY PRECLUDE GIVING ANY DETAILS OTHER THAN APPROXIMATE LENGTHS. LENGTHS ARE 430 FT (1), 350 FT (3), 290 FT (4), AND 220 FT (1).

8. SHEPETOVKA AREA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
50-11N 027-04E

25X1D

[REDACTED]
SHEPETOVKA APPEARS ON THE EXTREME WEST EDGE OF THIS PHOTOGRAPHY. A SEARCH WITHIN A 15-NM RADIUS TO THE NORTH, EAST, AND SOUTH OF THE CITY REVEALED NO INDICATIONS OF IRBM/MRBM OR OTHER MISSILE ACTIVITY.

9. VINNITSA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
49-14N 028-29E

25X1D

[REDACTED]
A SEARCH OF THE VINNITSA AREA WITHIN A 25-NM RADIUS DISCLOSED NO EVIDENCE OF IRBM/MRBM LAUNCH AREAS OR OF ANY UNUSUAL MILITARY, SECURE, OR LARGE UNIDENTIFIED INSTALLATIONS OR CONSTRUCTION ACTIVITY.

10. CHANG-CHIA-KOU POSSIBLE MISSILE ASSEMBLY FACTORY (CHINA)

25X1A

[REDACTED]
40-50N 114-55E

25X1D

[REDACTED]
THE AREA WITHIN A 25-NM RADIUS OF THE CITY WAS SEARCHED, BUT NO INDICATIONS OF MISSILE PRODUCTION AND/OR TESTING FACILITIES OR NUCLEAR RESEARCH FACILITIES WERE OBSERVED.

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11. SHEN-YANG COMPLEX (CHINA)

25X1A

41-48N 123-27E

25X1D

SSM ACTIVITY IN THE COMPLEX AREA CANNOT BE CONFIRMED OR DENIED. SHEN-YANG AIRFRAME PLANT 112 [REDACTED] SHEN-YANG AIRCRAFT ENGINE PLANT [REDACTED] AND SHEN-YANG ORDNANCE REPAIR PLANT NO 515 WERE LOCATED AND IDENTIFIED. NO OTHER POSSIBLE MISSILE-PRODUCTION FACILITIES WERE IDENTIFIED. THE FOUR AIRFIELDS IN THE AREA (NORTH, SE, SW, AND WEST) WERE IDENTIFIED (SEPARATE ITEMS ARE INCLUDED ON THESE IN THIS SECTION). NO SAM SITES WERE OBSERVED.

25X1A

25X1A

12. SHEN-YANG MISSILE ACTIVITY (CHINA)

25X1A

41-48N 123-27E

25X1D

THE SHEN-YANG AREA IS COVERED BY GOOD-QUALITY PHOTOGRAPHY, BUT SSM ACTIVITY CANNOT BE CONFIRMED OR DENIED.

25X1A

13. SHEN-YANG ORDNANCE REPAIR PLANT NO 515 (CHINA)

41-48N 123-20E

NO EVIDENCE OF GUIDED-MISSILE OR ROCKET-LAUNCHER PRODUCTION WAS OBSERVED. THE PLANT CONFORMS CLOSELY TO THE DESCRIPTION GIVEN IN AIR INTELLIGENCE REPORT NO 1420936 (SECRET).

25X1A

14. SHEN-YANG AIRFIELD NORTH (CHINA)

25X1D

ALSO KNOWN AS MUKDEN AIRFIELD NORTH

41-52N 123-26E

THIS AIRFIELD IS LOCATED 2 NM NORTH OF SHEN-YANG. THE NORTH/SOUTH HARD-SURFACED RUNWAY MEASURES APPROXIMATELY 9,900 X 270 FEET AND APPARENTLY HAS BEEN EXTENDED FROM THAT SHOWN IN ASSOTW. FOUR HANGARS ARE LOCATED AT THE SOUTHWEST END OF RUNWAY. NO CHANGE IS APPARENT IN THE SERVICE FACILITIES WEST OF THE RUNWAY. AN AIRCRAFT ASSEMBLY PLANT AND A LARGE HOUSING AND ADMINISTRATIVE AREA ARE LOCATED ON THE WEST SIDE OF THE FIELD. THE RAIL SPUR AT THE

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NORTH END OF FIELD APPEARS NOT TO BE IN USE, AND PART OF IT HAS BEEN REMOVED. NO AIRCRAFT ARE DISCERNIBLE.

15. SHEN-YANG AIRFIELD SE (CHINA)
ALSO KNOWN AS MUKDEN SOUTHEAST

25X1A

[REDACTED]
41-47N 123-30E

25X1D

[REDACTED]
THIS AIRFIELD IS LOCATED IN THE SOUTHEAST SECTION OF SHEN-YANG, ONE NM NORTHWEST OF THE HUN RIVER. ONLY THE CENTRAL PORTION OF THE NNE/SSW CONCRETE RUNWAY IS VISIBLE. ACCORDING TO ASSOTW, THE RUNWAY MEASURES 6,850 BY 275 FEET. A PARALLEL TAXIWAY IS OBSERVED ON THE NW SIDE OF THE RUNWAY.

16. SHEN-YANG AIRFIELD WEST (CHINA)
ALSO KNOWN AS MUKDEN WEST

25X1A

[REDACTED]
41-49N 123-18E

25X1D

[REDACTED]
THIS AIRFIELD IS LOCATED 5 NM WEST OF SHEN-YANG. THE FIELD HAS ONE HARD-SURFACED RUNWAY MEASURING 7,000 BY 270 FEET AND ORIENTED NE/SW. A LOOP TAXIWAY AND CROSSOVER LINKS ARE LOCATED ON THE EAST SIDE OF THE RUNWAY. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES A DETAILED ANALYSIS. NO AIRCRAFT ARE DISCERNIBLE. THERE IS NO SIGNIFICANT CHANGE IN THE DISCERNIBLE FACILITIES FROM ASSOTW.

17. SHEN-YANG AIRFIELD SW (CHINA)
ALSO KNOWN AS MUKDEN SOUTHWEST

25X1A

[REDACTED]
41-46N 123-22E

25X1D

[REDACTED]
THE AIRFIELD IS LOCATED IN THE SOUTHWEST SECTION OF SHEN-YANG. IT HAS ONE CONCRETE RUNWAY APPROXIMATELY 4,300 X 180 FEET ORIENTED NNE/SSW WITH A LOOP TAXIWAY ON THE WEST SIDE OF THE RUNWAY. MINOR SERVICE FACILITIES ARE ALSO LOCATED ON THE WEST SIDE OF THE RUNWAY AT THE NORTH END. NO AIRCRAFT ARE DISCERNIBLE. THERE APPEARS TO BE NO SIGNIFICANT CHANGE FROM THE PHOTOGRAPH OF [REDACTED] SHOWN IN ASSOTW.

25X1D

18. KALININGRAD AREA, SAM SITES (NEWLY IDENTIFIED)

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25X1D ONE NEW SA-3 SAM LAUNCH SITE, 9 SA-2 SAM LAUNCH SITES (2 PREVIOUSLY
IDENTIFIED ON [REDACTED] AND 2 NEW SAM SUPPORT
FACILITIES WERE OBSERVED IN THE KALININGRAD AREA ON CLEAR
PHOTOGRAPHY. LOCATIONS OF THE NEW SITES, AND FACILITIES FOLLOW.

25X1D COMPLETED SA-3 SAM LAUNCH SITE, 24 NM SE OF KALININGRAD
54-28-25N 020-59-59E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 18 NM WEST OF KALININGRAD
54-43-58N 019-53-00E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 21 NM WSW OF KALININGRAD
54-39-50N 019-54-20E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 24 NM SW OF KALININGRAD
54-34-55N 019-49-30E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 11 NM SSW OF KALININGRAD
54-32-34N 020-19-02E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 6 NM ESE OF KALININGRAD
54-40-45N 021-38-45E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 24 NM ENE OF KALININGRAD
54-50-05N 021-07-30E
[REDACTED]

25X1D COMPLETED SA-2 SAM LAUNCH SITE, 11 NM NNE OF KALININGRAD
54-53-20N 020-33-25E
[REDACTED]

25X1D COMPLETED SAM SUPPORT FACILITY, 22 NM ESE OF KALININGRAD
54-38-50N 021-05-58E
[REDACTED]

25X1D COMPLETED SAM SUPPORT FACILITY, 15 NM WEST OF KALININGRAD
54-44-48N 020-04-15E
[REDACTED]

LOCATIONS OF THE TWO PREVIOUSLY IDENTIFIED SAM SITES FOLLOW.

COMPLETED SA-2 SAM LAUNCH SITE, 17 NM WNW OF KALININGRAD

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54-50-15N 020-02-22E

25X1D

COMPLETED SA-2 SAM LAUNCH SITE, 25 NM SE OF KALININGRAD

54-25-30N 021-00-00E

19. CHERNYAKHOVSK AREA, SAM SITE (NEWLY IDENTIFIED)

ONE NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR CHERNYAKHOVSK. THE SA-2 SAM LAUNCH SITE B-16, PREVIOUSLY OBSERVED ON [REDACTED] WAS NOT OBSERVED ON MISSION 9023 DUE TO CLOUDS. THE NEW SITE FOLLOWS.

25X1D

25X1D

SA-2 SAM LAUNCH SITE UNDER CONSTRUCTION, 20 NM SSW OF CHERNYAKHOVSK
54-20-20N 021-36-18E

20. BERDICHEV AREA, SAM SITES (NEWLY IDENTIFIED)

TWO NEW SA-2 SAM LAUNCH SITES, PROBABLY DEPLOYED FOR THE DEFENSE OF THE REGIONAL MILITARY STORAGE INSTALLATION WEST OF BERDICHEV, WERE OBSERVED ON MISSION 9023. SITE LOCATIONS FOLLOW.

25X1D

COMPLETED SA-2 SAM LAUNCH SITE, 23.5 NM WEST OF BERDICHEV
49-53-00N 027-59-00E

[REDACTED] SCATTERED CLOUDS

25X1D

COMPLETED SA-2 SAM LAUNCH SITE, 10.5 NM SW OF BERDICHEV
49-46-15N 028-23-40E

[REDACTED] SCATTERED CLOUDS

21. KLAIPEDA AREA, SAM SITE (NEWLY IDENTIFIED)

ONE NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR KLAIPEDA. THE SITE LOCATION FOLLOWS.

25X1D

COMPLETED SA-2 SAM LAUNCH SITE, 5 NM SSE OF KLAIPEDA
55-37-30N 021-10-20E

22. BALTA AREA, SAM SITE (NEWLY IDENTIFIED)

ONE NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR BALTA. CLOUD COVER PRECLUDES A SEARCH FOR ADDITIONAL SAM ACTIVITY.

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COMPLETED SA-2 SAM LAUNCH SITE, 13 NM SE OF BALTA
47-44-20N 029-37-30E

25X1D

23. ODESSA AREA, SAM SITE (NEWLY IDENTIFIED)

ONE NEW SA-2 SAM LAUNCH SITE WAS OBSERVED AT ODESSA. ANOTHER SA-2
SAM LAUNCH SITE AND A SAM SUPPORT FACILITY (BOTH IDENTIFIED ON
[REDACTED] WERE ALSO OBSERVED. AN SA-2 LAUNCH SITE
25X1D SOUTH OF ODESSA SEEN ON [REDACTED] WAS CLOUD COVERED ON MISSION
25X1D 9023. THE LOCATION OF THE NEW SAM SITE FOLLOWS.

COMPLETED SA-2 SAM LAUNCH SITE, 9.8 NM WEST OF ODESSA
46-28-42N 030-29-30E

25X1D

THE LOCATIONS OF THE PREVIOUSLY IDENTIFIED SITE AND FACILITY FOLLOW.

COMPLETED SA-2 SAM LAUNCH SITE, 8.5 NM NE OF ODESSA
46-33-34N 030-52-10E

25X1D

25X1D

COMPLETED SAM SUPPORT FACILITY, 6 NM NW OF ODESSA
46-32-00N 030-39-00E

24. TBILISI AREA, SAM SITES (NEWLY IDENTIFIED)

FOUR NEW SA-2 SAM LAUNCH SITES WERE OBSERVED NEAR TBILISI ON
MISSION 9023. SITE LOCATIONS FOLLOW.

COMPLETED SA-2 SAM LAUNCH SITE, 9 NM NW OF TBILISI
41-47-00N 044-42-00E

25X1D

25X1D

COMPLETED SA-2 SAM LAUNCH SITE, 11 NM SSE OF TBILISI
41-31-30N 044-58-00E

COMPLETED SA-2 SAM LAUNCH SITE, 13 NM SW OF TBILISI
41-35-00N 044-36-00E

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COMPLETED SA-2 SAM LAUNCH SITE, 10 NM NE OF TBILISI
41-46-30N 045-02-30E

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25X1D

25. STALINABAD AREA, SAM SITE (NEWLY IDENTIFIED)

A NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR STALINABAD. ITS LOCATION FOLLOWS.

COMPLETED SA-2 SAM LAUNCH SITE, 8 NM WEST OF STALINABAD
38-33-00N 068-38-00E

25X1D

26. OTAR AREA, SAM SITE (NEWLY IDENTIFIED)

A NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR OTAR. ITS LOCATION FOLLOWS.

COMPLETED SA-2 SAM LAUNCH SITE, 0.5 NM SE OF OTAR
43-31-40N 075-13-00E

25X1D

27. ZHMERINKA AREA, SAM SITE (NEWLY IDENTIFIED)

A NEW SA-2 SAM LAUNCH SITE WAS OBSERVED NEAR ZHMERINKA. ITS LOCATION FOLLOWS.

COMPLETED SA-2 SAM LAUNCH SITE, 6.5 NM SSW OF ZHMERINKA
48-56-00N 028-03-00E

25X1D

28. KALININGRAD AREA, SA-3 SAM SITE (NEWLY IDENTIFIED)

FOR DETAILS, SEE ITEM ON KALININGRAD AREA, SAM SITES.

29. TORVA AREA, SAM SITE

THE LOCATION OF THE SA-2 SAM LAUNCH SITE OBSERVED NEAR TORVA AND REPORTED IN OAK 9023, PART 1, FOLLOWS.

COMPLETED SA-2 SAM LAUNCH SITE, 9.4 NM WNW OF TORVA
58-02-30N 025-39-20E

25X1D

TOP SECRET

25X1A

TOP SECRET

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25X1A

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30. CORRECTION TO OAK 9023, PART 2, PAGE 3

IN ITEM 2 UNDER GUIDED MISSILES 9 (GODYKHA AREA, IRBM/MRBM LAUNCH AREA) THE COORDINATES GIVEN IN THE TEXT SHOULD READ 50-09-30N 028-15-00E, INSTEAD OF 51-09-30N 028-15-00E.

31. THE FOLLOWING TARGETS WERE NOT OBSERVED BECAUSE OF CLOUD COVER.

KURENETS SUSPECT MISSILE SITE

25X1A

[REDACTED]
54-33N 026-57E

TALLINN MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
59-24N 024-44E

CHELYABINSK TANK & TRACTOR PLANT STALIN

25X1A

25X1A

[REDACTED]
55-09N 061-28E

IZHEVSK ARMS & MACHINE EQUIPMENT PLANT 71 & 74

25X1A

[REDACTED]
56-50N 053-11E

OSTROG/PLUZHNOYE AREA, MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
50-20N 026-31E

LIDA/OSHMANY AREA, MISSILE DEPLOYMENT SEARCH

[REDACTED]
53-53N 025-18E

VOTKINSK ARMS MCH AND STL PLANT 235

25X1A

[REDACTED]
57-03N 053-58E

OVRUCH AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS YELSK IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
51-44N 029-12E

OVRUCH AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS YELSK IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
51-42N 029-12E

TOP SECRET

25X1A

~~TOP SECRET~~

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25X1A

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OVRUCH AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS YELSK IRBM/MRBM LAUNCH AREA

25X1A [REDACTED]
51-10N 028-03E

OVRUCH AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS KOROSTEN IRBM/MRBM LAUNCH AREA

25X1A [REDACTED]
50-52N 028-18E

PETROPAVLOVSK AREA, TRACKING FACILITIES

25X1A [REDACTED]
53-01N 158-39E

SARNY/KLESOV AREA, MISSILE DEPLOYMENT SEARCH

25X1A [REDACTED]
51-20N 026-36E

OVRUCH AREA, IRBM/MRBM LAUNCH AREA

25X1A [REDACTED]
51-09N 028-00E

GORKIY ARMAMENT PLANT NOVOYE SORMOVO/STALIN 92

25X1A [REDACTED]
56-20N 043-54E

TRYSKIAI SUSPECT MISSILE SITE

25X1A [REDACTED]
47-00N 028-50E

KANDALAKSHA, POSSIBLE MRBM SITE

25X1A [REDACTED]
67-10N 032-25E

IULTIN MISSILE DEPLOYMENT SEARCH

[REDACTED]
67-50N 178-48W

BELAYA TSEKOV AIRFIELD

25X1A [REDACTED]
49-47N 030-01E

DAIREN COMPLEX (CHINA)

25X1A [REDACTED]
38-55N 123-02E

~~TOP SECRET~~

25X1A

TOP SECRET

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25X1A

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32. THE FOLLOWING TARGETS WERE NOT COVERED BY THE PHOTOGRAPHY.

ASHKHABAD AREA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
37-57N 058-24E

UFA STERLITAMAK AREA ICBM SEARCH

25X1A

[REDACTED]
54-34N 055-56E

NOVOMOSKOVSK, POSSIBLE MISSILE TEST AREA

25X1A

[REDACTED]
48-38N 035-15E

KRASNOZAVODSK, SUSPECT STATIC TEST FACILITY

25X1A

[REDACTED]
56-27N 038-12E

UST KATAV MUNITIONS AND RR CAR PLANT NO 13

25X1A

[REDACTED]
54-56N 058-10E

YEKATERINOVKA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
42-55N 133-03E

USSURIYSK MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
43-48N 131-57E

TYURA TAM MISSILE TEST CENTER

25X1A

[REDACTED]
45-50N 063-18E

SUCHAN AREA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
43-08N 133-08E

STANISLAV/KAMENETS-PODOLSKIY AREA, IRBM/MRBM
NOW KNOWN AS CHORTKOV IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
48-53N 026-04E

LENINAKAN AREA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
40-48N 043-50E

KIRENSK ICBM SEARCH

TOP SECRET

25X1A

TOP SECRET

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25X1A

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25X1A

[REDACTED]
57-47N 108-05E

KARANGIT GUIDED MISSILE TEST SITE

25X1A

[REDACTED]
45-02N 035-52E

KAMENETS-PODOLSKIY AREA, IRBM/MRBM

25X1A

[REDACTED]
48-51N 026-43E

BLAGOVESHCHENSK ICBM SEARCH

25X1A

[REDACTED]
50-16N 127-32E

BELAYA AREA, ICBM SEARCH

25X1A

[REDACTED]
52-52N 103-28E

KAMENETS-PODOLSKIY AREA, IRBM/MRBM LAUNCH AREA
NOW KNOWN AS CHORTKOV IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
48-51N 026-09E

IPPOLITOVKA (KREMOVO) MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
44-03N 132-17E

BARANO-ORENBURGSKOYE MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
44-22N 131-27E

BALAKLAVA MISSILE LAUNCHING SITE

25X1A

[REDACTED]
44-33N 033-32E

SPASSK-DALNIY MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
44-37N 132-48E

POGRANICHNIY (GRODEKOVO) MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
44-25N 131-23E

NOVOSIBIRSK AREA, MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
55-05N 080-58E

TOP SECRET

25X1A

TOP SECRET

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25X1A

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NOVOLITOVSKE MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
42-55N 132-48E

NADVORNAYA MISSILE-RELATED ACTIVITY

25X1A

[REDACTED]
48-35N 024-36E

MOLOTOV (PERM) MISSILE PRODUCTION SEARCH

25X1A

[REDACTED]
58-01N 056-14E

MOSCOW AIRCRAFT PLANT DOGOLPRUDNAYA 464

25X1A

[REDACTED]
55-56N 037-31E

MOSCOW/KALININGRAD GUIDED MISSILE PLANT NO 88

25X1A

[REDACTED]
55-55N 037-48E

MOSCOW/TUSHINO AIRCRAFT PLANT NO 82

25X1A

[REDACTED]
55-50N 037-27E

MOSCOW/KHIMKI GM PLANT 456

25X1A

[REDACTED]
55-54N 037-27E

MEGET/TELMA ICBM SEARCH

25X1A

[REDACTED]
52-24N 104-03E

KRASNOYARSK ARMS PLANT VOROSHILOV NO 4

25X1A

[REDACTED]
56-00N 092-69E

VARFOLOMEYEVKA MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
44-17N 133-25E

SAAREMAA ISLAND COMPLEX

25X1A

[REDACTED]
58-25N 022-30E

KARDALA (HIUMAA ISLAND) (DAGO) POSS GM SITE

25X1A

[REDACTED]
58-55N 022-40E

TOP SECRET

25X1A

TOP SECRET

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25X1A

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HAAPSALU MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
58-56N 023-33E

HARBIN ROCKET RESEARCH AND DEVELOPMENT PLANT (CHINA)

25X1A

[REDACTED]
45-45N 126-39E

HARBIN MISSILE ACTIVITY (CHINA)

25X1A

[REDACTED]
45-45N 126-39E

KLEVEN/ROVNO/KORETS AREA, MISSILE DEPLOYMENT SEARCH
NOW KNOWN AS GVARDEYSK POSS IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
50-45N 025-59E

25X6

[REDACTED]

GOMEL AREA, IRBM/MRBM SITE

25X1A

[REDACTED]
52-19N 030-41E

GOMEL AREA, IRBM/MRBM LAUNCH AREA

25X1A

[REDACTED]
52-25N 030-40E

SLAVYANKA GM ACTIVITY

25X1A

[REDACTED]
42-51N 131-21E

SOVETSKAYA GAVAN AREA, MISSILE DEPLOYMENT SEARCH

25X1A

[REDACTED]
48-59N 140-20E

SVOBODNYI/UKRAINA ICBM SEARCH

25X1A

[REDACTED]
51-24N 128-08E

TUKUMS GM ACTIVITY

25X1A

[REDACTED]
56-58N 023-09E

TUNG-HUA MISSILE BASE (CHINA)

25X1A

[REDACTED]
41-41N 125-55E

TOP SECRET

25X1A

TOP SECRET

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25X1A

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VOLKOVYSK/GRODNO AREA, MISSILE DEPLOYMENT SEARCH

25X1A [REDACTED]
25X1A 53-10N 024-28E

ZAVITAYA ICBM SEARCH

[REDACTED]
50-07N 129-27E

ZAGARE SUSPECT MISSILE SITE

25X1A [REDACTED]
25X1A 56-21N 023-15E

TERVETE SUSPECT MISSILE SITE

25X1A [REDACTED]
25X1A 56-29N 023-14E

SIMFEROPOL AREA, MISSILE DEPLOYMENT SEARCH

25X1A [REDACTED]
25X1A 44-57N 034-06E

YEVPATORIYA AREA, MISSILE DEPLOYMENT SEARCH

25X1A [REDACTED]
25X1A 45-12N 033-22E

PAPLAKA AREA IRBM/MRBM SITES

[REDACTED]
56-26N 021-27E

NAVAL ACTIVITY

25X1A THE FOLLOWING TARGETS WERE NOT COVERED BY THE PHOTOGRAPHY.

NIKOLAYEV SHIPYARD MARTI 444

25X1A [REDACTED]
25X1A 46-57N 031-59E

NIKOLAYEV SHIPYARD, NORTHERN 61 KOMMUNAR 445

25X1A [REDACTED]
25X1A 46-59N 032-01E

KRONSHADT COMPLEX

[REDACTED]
59-59N 029-47E

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25X1A

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ELECTRONICS

THE FOLLOWING TARGET WAS NOT OBSERVED BECAUSE OF CLOUD COVER.

YENISEYSK INTERFEROMETER STATIONS

25X1A

58-27N 092-11E

TOP SECRET

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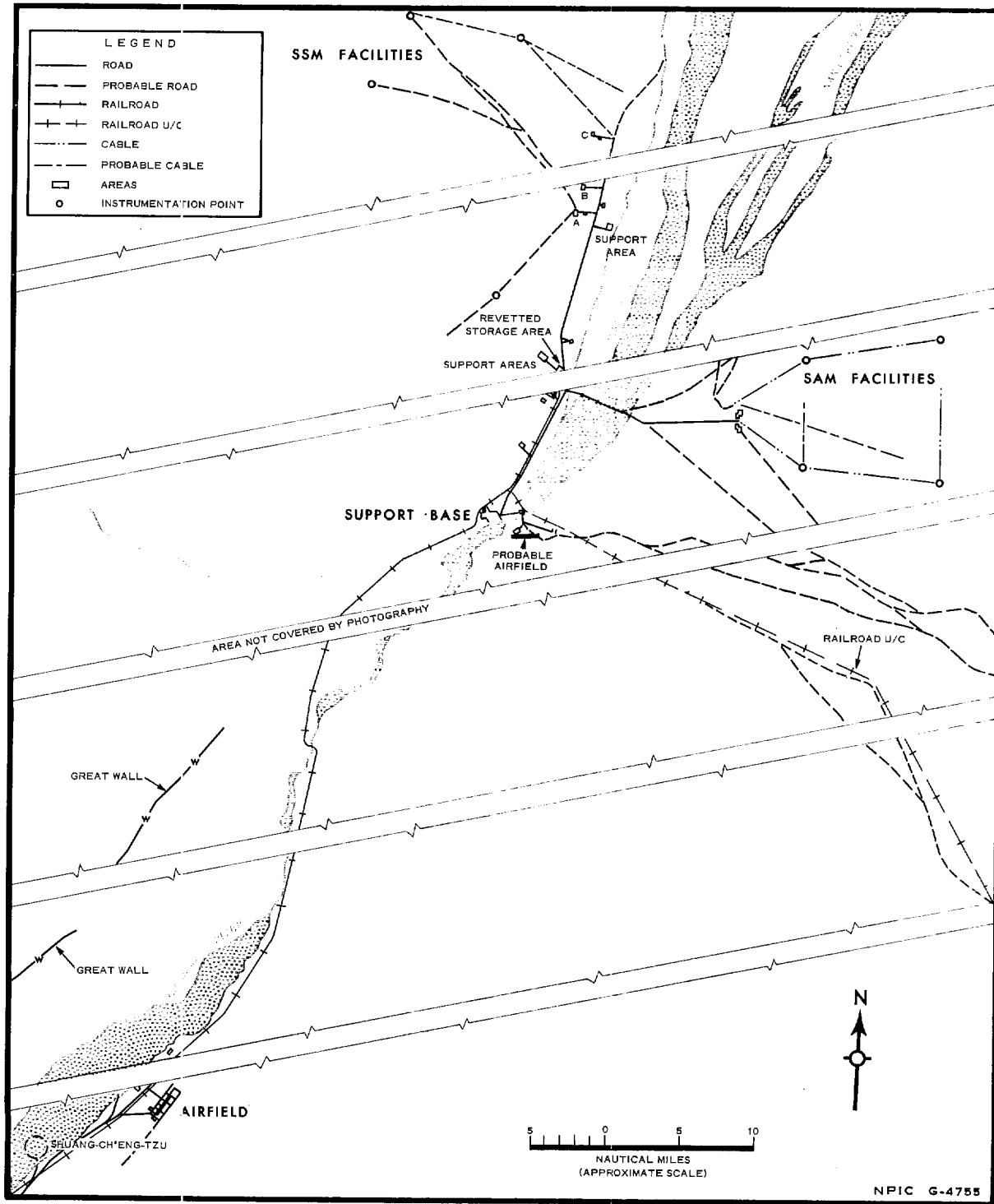
25X1A

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Attachment 1



SHUANG-CH'ENG-TZU MISSILE TEST CENTER.

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TOP SECRET

25X1A

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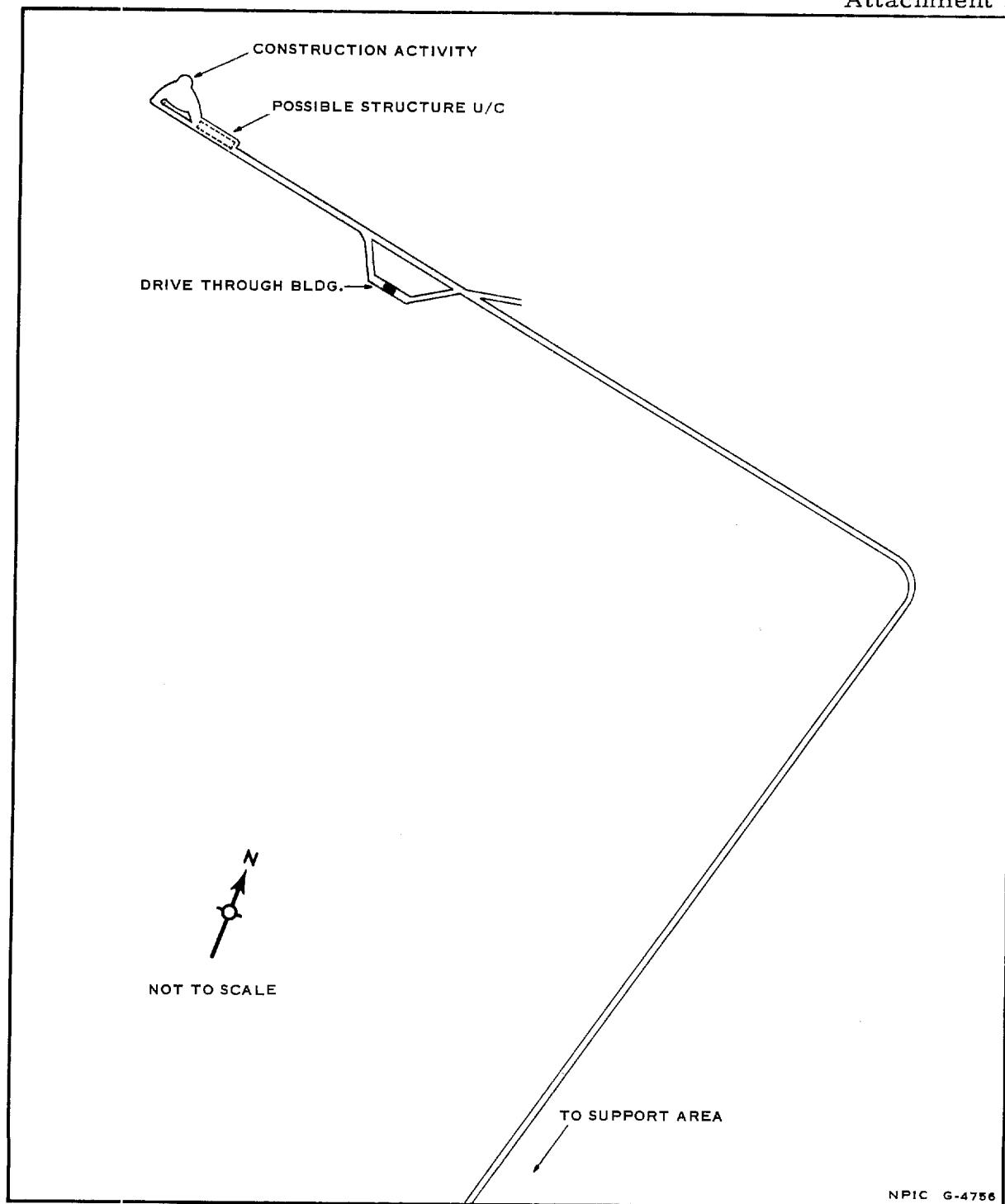
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Attachment 2



LAUNCH AREA "C", SHUANG-CH'ENG-TZU MISSILE TEST CENTER.

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TOP SECRET

25X1A

TOP SECRET

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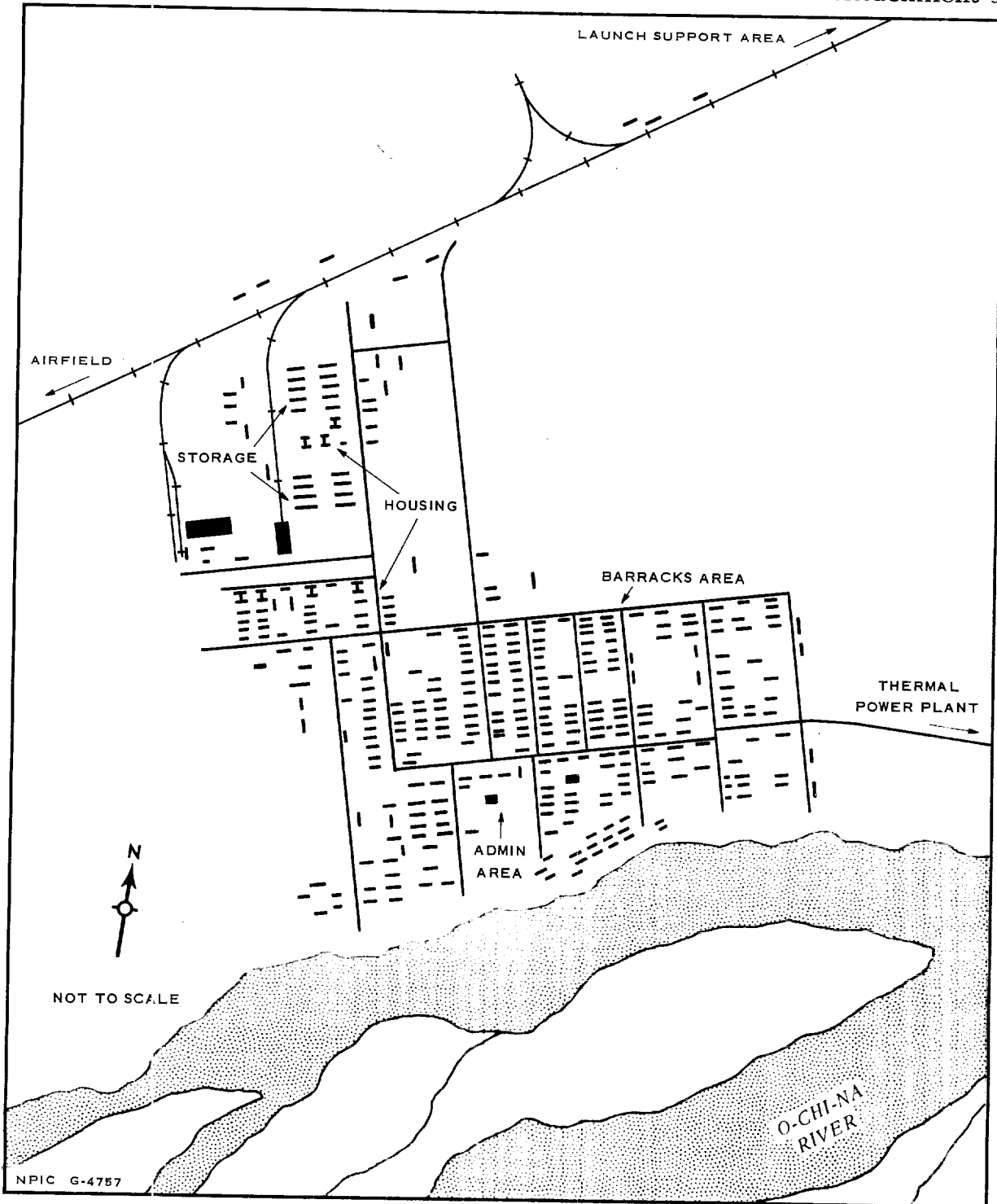
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Attachment 3



SUPPORT BASE, SHUANG-CH'ENG-TZU MISSILE TEST CENTER.

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TOP SECRET

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TOP SECRET

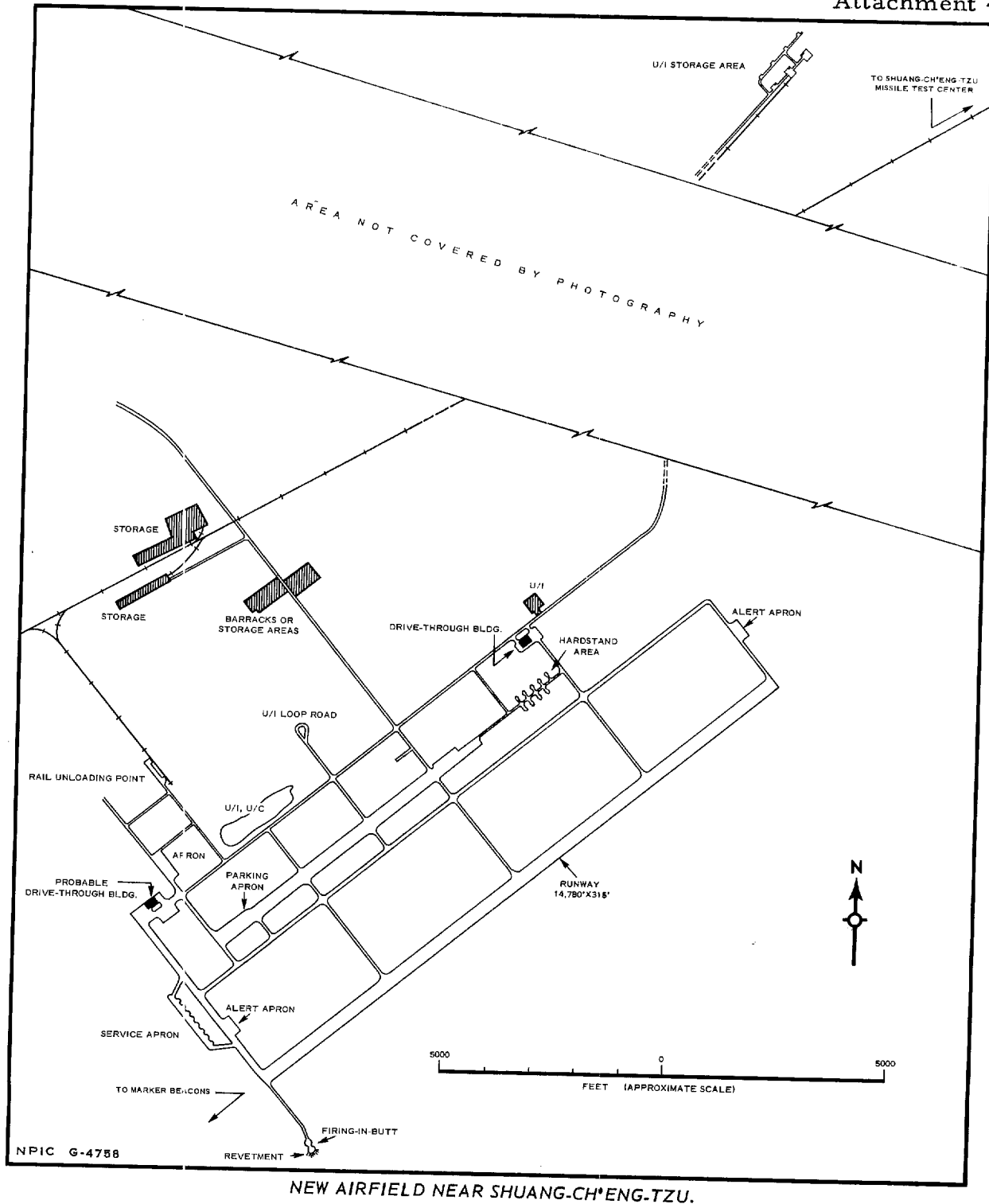
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